



Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200

# Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total
PO038862	ACI001-VC	4	1	Net 30	AISI 1144 1.000"	AISI 1144 Stressproof Steel Hex Bar 1.000"				12	2/2/2018	12		S038974	Stock	2/5/2018	\$ 25.42 / ft	0		\$305.00
Total:										12		12								\$245.31

Plex 2/5/2018 11:12 AM Dart Dubois.Pascal



DELIVERY - CLIENT

CO00071410

**ACIER OUELLETTE INC.**  
935, Boul. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CL10001056

Date 2018/01/26

Delivery date 2018/02/08

Your order N° 038862

Processed by Josianne Bourdon

Salesman

Carrier OUELLETTE VALLEYFIELD

Credit Terme Net 30 Days

Billed to

DART AEROSPACE LTD  
1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

Shipped to

Instruction F-M

Att: CHANTAL LAVOIE Tél.: 613-632-5200  
Delivery Route 5

Page 1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
1 HEXAGON 1144 CF 1 NS X1144-1 9988  1 X 12' R/L AC13069-CA-07/02  <div>HEX = 499872 Used</div>	35.28	12.00	PL_\$CLB		12'						

Total Weight (Lbs) : 35.28

NIR : R-109516-6

**Conditions :**  
All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and its warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Total (\$CAD)

Prepared By: <i>12</i>	Verified By: <i>[Signature]</i>	Delivered By: <i>[Signature]</i>	Time	Customer's Signature	Date <i>18/02/05</i>
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Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO038862**

**Supplier:** ACI001-VC  
Acier Ouellette Inc.  
935 Boul. Du Havre  
Valleyfield  
QC  
J6S 5L1 Canada  
Phone: 800 667 4248  
Fax: 450 377 5696

**PO No:** PO038862

**PO Date:** 1/25/18

**Due Date:** 2/2/18

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
clavoie@dartaero.com

**E-MAILED**  
JAN 2 0 2018

JAN 2 6 2018

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pymt Terms:** Net 30

**Freight Terms:**

**Special Comments:** QUOTATION # SOU0079984,  
SOU0080619, SOU0080267

## Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	MT-4140-B-0.500x3.000		4140 Steel Bar 0.500 X 3.000 : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC receive ft	Firmed	2/2/18	6 ft	0 ft	6 ft	\$23.50/ft	\$141.00
2	MT-4140-B-0.500X4.000		4140 Steel Bar 0.500 X 4.000 : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC receive ft	Firmed	2/2/18	6 ft	0 ft	6 ft	\$27.00/ft	\$162.00
3	MT-4140-B-0.750X1.750		4140 Steel Bar 0.750 X 1.750 : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC receive ft	Firmed	2/2/18	8 ft	0 ft	8 ft	\$23.50/ft	\$188.00
4	MT-1144-H1.000		AISI 1144 Stressproof Steel Hex Bar 1.000"	Firmed	2/2/18	12 ft	0 ft	12 ft	\$25.416666/ft	\$305.00
5	MT-A513-T-0.750W0.058		A513 Seamless Alloy Steel Round Tubing 0.75"dia. x 0.058" Wall	Firmed	2/2/18	20 ft	0 ft	20 ft	\$9.75/ft	\$195.00
<b>Grand Total:</b>									<b>\$991.00</b>	

## Order Notes

*CL*

Plex 1/25/18 12:31 PM dart.lavoie.chantal

**Order Notes****Procurement Quality Clauses**

A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 1/25/18 12:31 PM dart.lavoie.chantal

368.32

**ACIER OUELLETTE INC.**

935, Boul. du H vre  
Salaberry de Valleyfield (Qu bec) J6S 5L1  
T l.: 450-377-4248 M l: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 M l: 514-336-4246 Ext.: 866-456-4242

**Quotation****SOU0080619****Billed to**

DART AEROSPACE LTD  
1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

**Customer N **

CLI0001056

**Date**

2018/01/16

**Revision N **

0

**Prices valid until**

2018/01/23

**Your Order N ****Processed by**

Josianne Bourdon

**Salesman**

JOSIANNE

**Carrier**

OUELLE SDV

**Credit Terms**

Net 30 Days

**Page**

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Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
HEXAGONE A108 1144CF 1" N 1 X 12' R/L 5-7 DAYS	0.00	1.00	UN	1.00	UN		1.00	305.000	305.00
SURCHARGE ENERGETIQUE FRAIS_ENERGETIQUE MT-1144			\$						3.95

**Total Weight (Lbs)**

0.00

**Important**

This offer is based on availability and current pricing conditions that may be revised upon reception of the order.

This offer is subject and conditional to credit approval.

Approved and Accepted by :

Date :

**Sub-total**

308.95

TVH-13 \* 40.16

**Total (\$CAD)****349.11**

**ACIER OUELLETTE INC.**

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Quotation****SOU0079984****Billed to**

DART AEROSPACE LTD  
1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

**Customer N°**

CLI0001056

**Date**

2018/01/11

**Revision N°**

0

**Prices valid until**

2018/01/18

**Your Order N°****Processed by**

Josianne Bourdon

**Salesman**

JOSIANNE

**Carrier**

OUELLE SDV

**Credit Terms**

Net 30 Days

**Page**

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Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
TUBE MEC 1.000 OD X .120 RANDOM TME-1000120-V 6505 5 X 20' R/L STOCK	112.80	100.00	PI_\$CPI	100.00	PI		5.00	44.190	220.95
TUBE MEC 0.875 OD X .120 RANDOM TME-0875120-V 6787 3 X 20' R/L STOCK	58.08	60.00	PI_\$CPI	60.00	PI		3.00	41.190	123.57
ROUND CR 1 1/4 1018 RANDOM RCR-114-V 5260 1 X 20' R/L STOCK	83.40	20.00	PI_\$CLB	20.00	PI		1.00	83.360	83.36
ROUND SS 1 303 RANDOM RSS-1303-V 8519 4 X 12' R/L 2-3 DAYS	128.16	48.00	PI_\$CLB	48.00	QUN_\$UN		4.00	96.745	386.98
ROUND SS 3/4 304 RANDOM RSS-34-V 5762 8 X 12' R/L STOCK	144.19	96.00	PI_\$CLB	96.00	PI		4.00	103.080	412.32
ROUND 4140 HEAT TREAT 3/4 RANDOM R4140-34H-V 4949 1 X 20' R/L STOCK	30.04	20.00	PI_\$CLB	20.00	PI		1.00	49.850	49.85
FLAT 4140 HT 1/2 X 3 N 1 X 6' 4-5 DAYS	0.00	1.00	UN	1.00	UN		1.00	141.000	141.00
FLAT 4140 HT 1/2 X 4 N 1 X 6' 4-5 DAYS	0.00	1.00	UN	1.00	UN		1.00	162.000	162.00
FLAT 4140 HT 3/4 X 1 3/4 N 1 X 8' 4-5 DAYS	0.00	1.00	UN	1.00	UN		1.00	188.000	188.00
FLAT ALU 1/4 X 1 6061-T6 RANDOM FAL-141-V 2512 1 X 20' STOCK	6.20	20.00	PI_\$CLB	20.00	PI		1.00	15.870	15.87

Date :

Next Page...

MT-4140-B-0.500 X 3.000

M4140N130.500 X 3.000

## Chantal Lavoie

**From:** Chantal Lavoie  
**Sent:** Thursday, January 11, 2018 3:26 PM  
**To:** 'Josianne Bourdon'  
**Cc:** Diane Baker  
**Subject:** quote

Good afternoon Josianne,  
Please advise price and delivery on mat'l.

6061 T6 B 0.375" X 0.6750" X 12 ft

~~A513- ROUND TUBING 1" X 0.120" WALL X 100 FT~~

~~A513 ROUND TUBING 0.875" X 0.120" X 60 FT~~

~~1018 ROUND BAR 1.250" X 12 FT~~

17-4-H 900 R. 100" X 24 ft

~~304 ROUND BAR 1" X 48 FT~~

~~304 ROUND BAR 0.750" X 96 FT~~

~~4140 QT ROUND BAR 0.750 X 12 FT~~

~~4140 HT BAR 0.500" X 3" X 6 FT~~

~~4140 HT BAR 0.500" X 4" X 6 FT~~

~~4140 HT BAR 0.750" X 1.750" X 8 FT~~

~~6061-T6 BAR 0.250" X 1" X 12 FT~~

~~6061-T6 BAR 0.250" X 5" X 12 FT~~

~~6061-T6 BAR 0.250" X 6.250" X 24 FT~~

~~6061-T6 BAR 0.375" X 2" X 24 FT~~

~~6061-T6 BAR 0.500" X 1.250" X 12 FT~~

~~6061-T6 BAR 0.500" X 2.5" X 12 FT~~

~~6061-T6 BAR 0.500" X 5" X 36 FT~~

~~6061-T6 BAR 0.500" X 6" X 24 FT~~

~~6061-T6 BAR 0.500" X 1.5" X 12 FT~~

~~6061-T6 BAR 0.500" X 12" X 12 FT~~

~~6061-T6 BAR 6" X 2" X 6 FT~~

~~6061-T6 BAR 1" X 4" X 12 FT~~

~~6061-T6 BAR 1" X 12" X 12 FT~~

~~6061-T6 BAR 1.250" X 1.250" X 12 FT~~

~~6061-T6 BAR 2.5" X 1.5" X 24 FT~~

~~6061-T6 BAR 0.375" X 1" X 48 FT~~

~~6061-T6 BAR 0.750" X 3" X 12 FT~~

~~6061-T6 BAR 0.750" X 0.125" X 20 FT~~ acw 6063+5

~~6061-T6 BAR 1.5" X 1.5" X 12 FT~~

~~6061-T6 BAR 2" X 1.250" X 24 FT~~

~~6061-T6 BAR 2" X 2.250" X 12 FT~~

~~6061-T6 BAR 2" X 5" X 12 FT~~

~~6061-T6 BAR 2" X 8" X 4 FT~~

~~6061-T6 BAR 2.75" X 6" X 6 FT~~ 3/16 only.





Nelsen Steel Company  
9400 W. Belmont Ave.  
Franklin Park, IL 60131-2898  
Tel: (847) 671-9700 Fax: (847) 671-6833

## PRODUCT CERTIFICATION

HEAT LOT NUMBER

499872

WORK ORDER

731318

SUPPLIER

Mittal Indiana Bar Product

SALES ORDER / RLS

119062 / 008

CERT ID / REV

00118878 / 01

SOLD TO

A.M. Castle Co.  
1420 Kensington Road  
Suite 220  
Oak Brook, IL 60523  
USA

MELT SOURCE/NAFTA

Mittal Indiana/Yes

COUNTRY OF ORIGIN

U.S.A.

CAST METHOD

Strand (Billet)

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	Bundle	LADING NO	SHIPMENT DATE
318043	69616	4,900 LBS	1	00059941	02/23/2015

### SPECIFICATION

C10000H11443

1.0000, Shape = Cold Drawn Hexagon, Grade = 1144, Length = 12'00", Tolerance = -0"/+2", Grain Prac = Coarse Grain Practice, Silicon = .35max, Quality Level = STD, Bundle max = 6000 lbs. Min. Red. Ratio 50: 1

### CERTIFICATION REQUIREMENTS

SPEC: G11440-01 R16

### Chemical

C	Mn	P	S	Si	Cu	Ni	Mo	Cr	Al
0.45	1.51	0.016	0.28	0.192	0.23	0.08	0.023	0.13	0.001
Cb	N	V	Ti						
0.001	0.007	0.004	0.001						

We certify that the above material during its processing or while in our possession was not exposed to mercury or any other metal alloy that is liquid at ambient temperature, that no welding or weld repair was performed on said material, that no Class I or Class II ozone depleting chemicals (ODC's) were used in the manufacture of said material or in any of its components or packaging, and that the finished product described herein was manufactured by Nelsen Steel and Wire L.P. and/or its agents in the United States of America. We further certify that all material cold drawn by Nelsen Steel and Wire L.P. meets or exceeds the requirements of ASTM A108-13 (Level 1) and/or SAE J403 for carbon steels and/or SAE J404 for alloy steels and their referenced documents (including ASTM A29-12 and ASTM A576-07 (2012)) as a minimum. All product sold by Nelsen Steel and Wire L.P. complies with the Dodd Frank Act section 1502 regarding "Conflict Minerals". Also, all chemical and mechanical testing is performed by laboratories that have received or have applied for certification to ISO/IEC 17025-1989. Nelsen Steel's Quality Management System is registered to ISO 9001: 2008 via third party assessment. Manufactured in the United States of America.

End of Certification

We certify that the above metallurgical report of chemical analysis and for mechanical properties is a true and correct statement of the information relating to the product(s) listed above and conforms to the applicable specifications as indicated on your order. WE FURTHER CERTIFY that the material described herein was monitored and controlled during manufacture in accordance with the "Nelsen Steel Company Quality Assurance Manual" in its most recent revision prior to our issuing date shown.

Certification given and subscribed

by:

Kenneth A. Koeppl, Quality Manager

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-1144-H1.000  
 DATE: FEB 05 2018

PO BATCH NO: 038862/5038974

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000  
 THICKNESS RECEIVED: 1.000  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>G-1144/C</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>Heat #499872</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.  
 RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*


<b>QC 18 INSPECTION</b>		<b>ENGINEERING SIGNOFF (if required)</b>	
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____		
DATE: <u>9-89</u> <b>FEB 05 2018</b>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in.

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 1144 STRESSPROOF STEEL HEX BAR  
 SPECIFICATION: ASTM A311 or UNS G11440  
 PART NUMBER: MT-1144-H (D.DDD)  
 WHERE "D.DDD" = DIAMETER IN INCHES  
 EG. 5/8" HEX BAR = MT-1144-HQ.625

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	18-507	18.1.17	VM	ML

 DART AEROSPACE Headquarters, Ontario, Canada	
TITLE AISI 1144 STRESSPROOF STEEL HEX BAR	
PART NO. MT-1144-H	REV A
TOOL NO. UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DIMENSIONS APPLY AFTER FINISHING	
DESIGNED BY: VM 18/01/17 DRAWN BY: VM 01/17/2018 CHECKED BY: VM 01/17/2018 APPROVED BY: DP 01/17/2018	TOLERANCES: FRACTIONS 1/16 DECIMALS .005 SURFACE ROUGHNESS SCALE: HTS SHEET 1 OF 1
THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD. IT IS TO BE USED ONLY FOR THE PURPOSES FOR WHICH IT WAS ISSUED. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.	

*MSee*